

The ovoid, smooth fruits, 1 to 2 inches in diameter, are orange-yellow or scarlet and furnish the well-known betel nut. It is native to southeastern Asia.

For previous introduction see 97540.

133015. BUTIA ERIOSPATHA (Mart.) Becc. *Phoenixaceae*. Apricot palm.

A handsome pinnate-leaved palm with violet-colored stems, creamy flowers, and edible yellow fruits the size of a small plum. Native to Brazil.

For previous introduction see 104239.

133016. CARLUDOVICA PALMATA Ruiz and Pav. *Cyclanthaceae*.

A stemless plant, native to Peru, with palmately divided palmlike leaves about 2 feet across on petioles 4 to 6 feet high. The leaves are used for making panama hats.

For previous introduction see 94184.

133017. CINCHONA OFFICINALIS L. *Rubiaceae*.

A tree, native to the Andes, yielding a bark remarkably rich in quinine which crystallizes readily as quinine sulfate.

For previous introduction see 126238.

133018. CINCHONA PUBESCENS \times OFFICINALIS.

Introduced under the specific name "robusta," for which a place of publication has not been found.

133019. CINCHONA PUBESCENS Vahl.

133020. ELAeis GUINEENSIS Jacq. *Phoenixaceae*.

African oil palm.

For previous introduction see 104336.

133021. LIVISTONA AUSTRALIS (R. Br.) Mart. *Phoenixaceae*.

Australian fan palm.

A slender palm from 30 to 40 feet high, with a smooth trunk 8 to 10 inches in diameter and a dense crown of circular leaves 2 to 4 feet in diameter divided nearly to the base into narrow plicate segments. The moderately hard, light-colored wood is used for light construction work and the leaves are used for making baskets. The unexpanded fronds, after being dipped into boiling water, are dried, shredded, and the fiber used in making hats resembling panama hats.

For previous introduction see 98502.

133022. LIVISTONA CHINENSIS (Jacq.) R. Br.

Chinese fan palm.

A palm, native to China, with a short thick trunk up to 6 feet high and 1 foot in diameter and having a crown of reniform, palmately divided leaves, 4 to 6 feet across, on petioles about 5 feet long, which are armed below the middle with recurved brown spines over an inch long.

For previous introduction see 116784.

133023. LIVISTONA OLIVAEFORMIS Mart.

A fan palm, native to Brazil, with a medium-sized trunk, petioles spiny at the base, and the leaf segments divided into long linear pendent lobes 12 to 15 inches long and solitary, olive-shaped fruits.

For previous introduction see 80766.

133024. MASCARENHASIA ELASTICA Schum. *Apocynaceae*.

A tree native to tropical Africa. It is a source of rubber and the timber also is said to be excellent.

For previous introduction see 131493.

133025. PODOCARPUS USAMBARENSIS Pilger. *Taxaceae*.

A tall evergreen tree, sometimes over 250 feet high, with a light crown of slender scattered branchlets and narrow linear leaves about 3 inches long. In eastern tropical Africa, where it is native, it is used as timber.